Rangeland Health—Ecological Reference Worksheet

TECHNICAL GUIDE Section II

Author(s)/participant(s):N	M. Rasmussen		Section
Contact for lead author:		Refere	nce site used? Yes/No
Date: <u>5-20-04</u> MLRA: _	58AE_& 60BE_	Ecological Site: Dense clay	y 10-14" p.z. This <i>must</i> be verified
based on soils and climate (see Ecolo	gical Site Description	. Current plant community cannot	be used to identify the ecological site.
values for above- and below-average descriptions on separate sheet.	e years for <u>each</u> comr	nunity within the reference state, w	se numbers, (2) include expected range of then appropriate & (3) cite data. Continue
7%.	•	•	, broken and discontinuous on slopes >
2. Presence of water flow patterns	s: Barely observable of	n slopes < 6% and evident on slop	es >7%.
3. Number and height of erosions small terracettes present at debris da		ettes: Not evident on slopes < 6%.	. Erosional pedestals may be present with
4. Bare ground from Ecological S ground): Bare ground is 40 to 60%.		her studies (rock, litter, lichen, n	noss, plant canopy are <i>not</i> bare
5. Number of gullies and erosion	associated with gull	es: Active gullies should not be pro	esent.
6. Extent of wind scoured, blowo	uts and/or deposition	al areas: None.	
7. Amount of litter movement (de movement occurs, it is only for a she		nce expected to travel): Little to	no plant litter movement. If litter
8. Soil surface (top few mm) resistance to erosion (stability values are averages – most sites will show a range of values for both plant canopy and interspaces, if different): Plant cover and litter is at 40% or greater of soil surface and maintains soil surface integrity. Stability class anticipated to be 3 or greater.			
9. Soil surface structure and SOM plant canopy and interspaces, if di			A-horizon color and thickness for both of A-horizon.
10. Effect of plant community con infiltration & runoff: Sparse plar ground contribute to a naturally high	nt canopy (20% maxir	num), very slow to slow infiltration	
11. Presence and thickness of composition on this site): No composition of this site.			ures which may be mistaken for
12. Functional/Structural Groups (list in order of descending dominance by above-ground weight using symbols: >>, >, = to indicate much greater than, greater than, and equal to): Mid-stature cool season rhizomatous grass > mid-stature, cool season bunch grasses > short stature, warm season rhizomatous grass > shrubs > forbs			
13. Amount of plant mortality and Some plant mortality and decadence			ected to show mortality or decadence):
14. Average percent litter cover (1	5 to 20 %) and dept	\mathbf{n} (0.0 to 0.25 _ inches). Litter cov	er is in contact with soil surface.
15. Expected annual production (800 to 900 #/acre (13 to 14 inch pr			
16. Potential invasive (including noxious) species (native and non-native). List species which characterize degraded states and which, after a threshold is crossed, "can, and often do, continue to increase regardless of the management of the site and may eventually dominate the site": Blue grama, inland saltgrass, plains prickly pear, broom snakeweed, annual bromes, greasewood			
17. Perennial plant reproductive			

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